

county Cape Girardeau



sec 3 twp 31 rge 14E

owner Felden, Frank G.

elev 392 MGS# 21229 rge Spl.

farm Walker

No. 1 TD 1270 fm TD 0 sp shows Dos

status d & a

date completed 9-1-62

remarks:

00002

Log #	Owner:FELDEN	FRANK	B	St:MO Cnty:CAPE GIRARDEAU
021229				NE NE SW TRS: S03 T31N R14E
	Alias:			Lat.:37,23,34.014N
ype well:	Dry Hole Well			Long.:89,39,36.243W
ype log:	S			Quad:37089D6
iller:	SCHNEIDER&GRIFFEN	Date:	04/1962	
iller Liscense #:				Confidential:N Release Dt. /
onger:	WELLS	Date:	/	

Elev.: 392 Elev.S Yield: 0 SWL:(a) H2O @:
T.D.: 1270 base: DrDwn: 0 SWL:(b)

Bedrock at: 20 Samples saved:Y Int. cored: 0 to 0

Top Fm. : MARQUOKETA SHALE

Bot Fm., ST. PETER-EVERTON FMS., UNDIFF

Problems:

Remarks:

More: OIL & GAS TEST.

Log #:021229 Date Completed:04/1962

CASING: Dpth:	250	Diam:	7.00	I/O:0	Sz. Hole:	7.00	Sz. Below:	4.50
	0		0.00					
	0		0.00					
	0		0.00					

GROUT:	Type	Rig	Method	Dt	Abnd	Plug	Date	Top	Bottom
		T		/		/		0	0

PUMP#	Cap	Type	Set at	TDH	Scrn Typ	Size	Lgth	Slot
	0		0	0		0	0	0

Well Treat	Type	Dev	Type	Compl	Perf.	Interval	Tube	Pres.	Oil	Gas
					Top:	0 Bot: 0				

Open Top:MAQUOKETA SHALE
Formations Bot:ST. PETER-EVERTON FMS. UNDIFF
Other data sources:
Remarks:

Log #:021229		--Lith--	-----Minerals-----								
Top	Base	Name	Pr	Sc	Mn	Pri	Oc	Sec	Oc	Mnr	Oc
20	70	MAQUOKETA SHALE	UN	UN	LS		0		0		0
70	82	CAPE LIMESTONE	LS	CH	UN		0		0		0
82	216	KIMMSWICK LIMESTONE	LS				0		0		0
216	235	DECORAH GROUP	LS	CH			0		0		0
235	630	PLATTIN LIMESTONE	LS	CH	DL		0		0		0
630	840	ROCK LEVEE FORMATION	LS	DL	UN		0		0		0
840	1045	JOACHIM DOLOMITE	DL	LS	SD		0		0		0
1045	1200	DUTCHTOWN FORMATION	LS	DL	SD		0		0		0
1200	1270	ST. PETER-EVERTON FMS. UNDIFF	SS				0		0		0

Printed on 05/17/94 at 11:08:42.

Well Walker #1
Oil Test

Jack S. Wells
8-8-62

Cape Girardeau Co.

Frank G. Feldon, driller

St. Peter formation - 1235'-1240' depth

Anal. No. 4983

Cl 112.5 ppm.

SO₄ Present

M. E. Phillips

8-8-62

MISSOURI DIVISION OF GEOLOGICAL SURVEY AND WATER RESOURCES

Rolla, Missouri

County: Cape Girardeau Source: Well Walker #1 Oil & Gas Test
 Owner: Frank G. Feldon Surface casing to 250' S.W.L. 35'
 Location: NE¹/₄ NE¹/₄ NE¹/₄ SW¹/₄ Sec. 3, T 31 N, R 14 E Water from a crevice in the interval 638' to 643' in the Rock levee formation. No water prior to this crevice.
 Analysis No: 4902 Date Collected: 6-26-62 (6-62) Analyst: M.E. Phillips
 Collector: Dale Fuller (Frank G. Feldon) Date Analyzed: 7-18-62

CONSTITUENTS

IN PARTS PER MILLION

Turbidity	Turbid - 1/2 inch sediment in Jug
Odor	None
pH	7.3
Alkalinity (CaCO ₃)	275.5
Phenolphthalein	18.0
Methyl Orange	257.5
Carbonate (CO ₃)	10.8
Bicarbonate (HCO ₃)	334.2
Silica (SiO ₂)	6.3
Oxides (Al ₂ O ₃ , Fe ₂ O ₃ , TiO ₂ , etc.)	1.5
Calcium (Ca)	38.8
Magnesium (Mg)	15.7
Sodium (Na) and Potassium (K) as Na	198.7
Total Manganese (Mn)	0.0
Total Iron (Fe)	0.05
Dissolved Iron	0.03
Precipitated Iron	0.02
Sulfate (SO ₄)	181.8
Chloride (Cl)	43.8
Nitrate (NO ₃)	0.0
Fluoride (F)	1.6
Total Suspended Matter	greater than (approx. 1.8 to 2.0)
Total Dissolved Solids	649.
Total Hardness	161.5
Carbonate Hardness	161.5
Non-carbonate Hardness	0.0

Remarks:

Copies to:

Strontium Sulfate Crystal

M. McCracken

Cuttings from Walker #1 Well Depth 855'

6-26-62

NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 3, T31N, R14E

Cape Girardeau Co.

Frank G. Feldon

Analysis No. 3585

Qualitative - Spectrographic

Sr Present

Ba Trace

Ca Low

Mg Low

Si Trace

Al Trace

Fe Trace

M.E. Phillips

8-20-62

oil + Gas
Cape Girardeau

September 18, 1962

Mr. Frank G. Felden
Box 202
Scott City, Missouri

Dear Mr. Felden:

I was disappointed to learn that the Joachim, Dutchtown and St. Peter formations in your Walker #1 well were so dense and lacking in porosity, I looked at the samples and agree with Mr. Wells log.

Jack has told me you are testing the shows in the Stones River-Rock Levee formation. I know very little about producing oil from wells such as this. The rock does not appear to have much porosity. However if you test this well by pumping you will know for sure that you either have something or that it is of no value.

I am enclosing a copy of the map of the Area in which you are drilling. This is a print of a film of the original Map and I have colored the part you are interested in having.

In this Map the Upper Maquoketa and the Silurian formations were not separated in your area. As you can see the Kimmswick outcrop in section 14 is the highest area structurally as mapped.

Let us know if this is not satisfactory and drop us a card to let us know about your pump test of the Walker #1.

Best wishes - Sincerely,

Mary H. McCracken
Research Geologist

MHMcCs

oil & Gas
Cape Girardeau

October 1, 1962

Mr. Frank G. Felden
Box 202
Scott City, Missouri

Dear Mr. Felden:

Upon returning to the office this morning I checked the samples you had submitted to the Missouri Geological Survey on August 8, 1962. In the interval from 1195 feet to 1240 feet there occurs a small percentage of black tar like material which has become balled with fine sand grains. This material when cut with carbon tetrachloride shows fluorescence under the ultraviolet light. It would appear to be a tarry or asphaltic residue. We do not have the facilities to test this further.

Unfortunately, I was not working in August when these samples were received, and had failed to check the correspondence that you had with the survey at that time. Also I find you had submitted a water sample with this material (as I had suggested you do when I saw you). This sample had been discarded so I did not get to see the floating material. Please save another sample of any material on the top of your slush pit or barrels after you finish acidizing.

I am glad you are submitting these samples to the Shell Company. They have facilities for checking the nature of this material. It is most interesting to have this occurrence in the St. Peter formation.

The hydrocarbon residue is peculiar in that it does not show fluorescence until cut with carbon tetrachloride. This may be due to the fact that it is coated with a ball of fine sand grains. This accounts for our failure to recognize it earlier.

Hope you are successful in your acidizing operation.

Sincerely,

Mary H. McCracken
Research Geologist

MHMcCs

Cape Girardeur
Mr. Felden file
~~Mr. Felden~~

October 4, 1962

Mrs. Margaret Hahn
Mt. Carmel
Illinois

Dear Margaret:

It was so good to see and visit with you on the Missouri Geologists field trip. I am enclosing the sample of the oolite at the base of the Plattin formation; also, a paper written on this rock which I feel fits the facts quite well. You will notice the oolites are tight. They show up better if moistened. In talking with Mr. Felden I mentioned that you were interested in some information on his well and he instructed me to give it to you. I am therefore sending a formational summary of his well and enclosing a copy of notes made when we were at the well on Saturday, September 30.

No Samples	0'	to	23'
Maquoketa	23'	-	7070'
Cape (Fernvale)	70'	-	778'
Kimmswick	78'	-	215'
Decorah	215'	-	235'
Plattin	235'	-	630' (oolite at base)
Rock Levee			
(Stone River)	630'	-	830'
Joachim	830'	-	1045'
Dutchtown	1045'	-	1200'
St. Peter	1200'	-	1240' base not reached

Reported total depth is 1270 feet but we have no samples below 1240 feet.

I hope our paths will cross again soon. If you are in Rolla be sure to come by to see me or call.

Sincerely,

Mary H. McCracken
Research Geologist

MHMcCs

Handwritten:
Mr.
O & G

May 8, 1962

Mr. Frank Felden
205 West Davidson Ave.
Chaffee, Missouri

Dear Mr. Felden:

I am wondering how work on your well is progressing. To date we have not received any samples and I am hoping they have not been lost in transit.

Please save us a set and send them at your convenience. If we can help you in any way please contact us.

Very truly yours,

Mary McCracken

August 8, 1962

Mr. Frank G. Felden
Box 202
Scott City, Missouri

Dear Mr. Felden:

Your card was received yesterday and samples 1190 to 1240 arrived this morning, along with the water sample.

Miss Phillips ran a test on the water for chlorides (Cl) and sulfates (copy enclosed) and I checked some of the darker residue under the UV light for fluorescence. There was no fluorescence in the water sample. Also enclosed is a strip log of your well from 1025 to 1240. I did not detect any fluorescence or staining in this last interval. The last 10 foot of the Dutchtown formation did not show any porosity and even the St. Peter looked like it was tight.

Mr Bridges will probably be down sometime next week to see if he can get a water sample from the St. Peter.

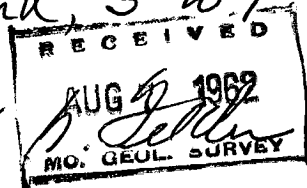
Sincerely yours,

Jack S. Wells
Geologist

JSWsh

Please Check at once, and mail me
a Complete Report on findings
the Water & Oil Residue is from
the top of the Water in Barrel from
1235' to 1240' have had dead
oil as you can see, Will try
to get to a Torque zone, the drilling
so far has been Hard, 5' to 7'
in 8 to 10 hrs.

Push Answer Frank



August 3, 1962

Our file: Oil & Gas Cape Girardeau
Sec. 3, T. 31N, R. 14E

Mr. Frank G. Felden
Box 202
Scott City, Missouri

Dear Mr. Felden:

Samples 1085 to 1185 were received today and have been examined.

You are still in the Dutchtown and may expect to top the St. Peter near 1200 feet. By the time you get this however you will probably be there.

There was a trace of fluorescence in the 1030 foot sample with no "cut" obtained with carbon tetrachloride.

I have examined cuttings of the SE Missouri State College well from 1000 feet to 1250 feet under the u.v. light and submit the following information.

1020' spl. very slight floor. no cut.

1035' spl. good floor and good cut. in about 1/2 dozen chips - (these may have been contaminated as rig dope was also present).

1070' spl. spotted floor. 5 to 10% slow-"cut"

1125' spl. floor in 1/2 dozen chipt slight cut.

All in all there was not too much to get excited about int this well.

I'll be looking forward to seeing what the top of the St. Peter looks like.

Sincerely yours,

Jack Wells
Geologist

JW:nf
cc: Mary Mc Cracken

July 17, 1962

Mr. Frank G. Felden
Box 202
Scott City, Missouri

Dear Mr. Felden:

Your card and samples 1045 - 1080 feet from the No. 1 Walker were received today.

I have been out of the office most of the week and haven't had a chance today nor will I tomorrow (Wed.) to check more closely on the SE Missouri State College well. However Mr. Groves, the geologist running this well gave me the following footage in which the samples gave an indication of slight staining. We haven't checked them under the U. V. light for fluorescence or "cut" as yet, but I will give them a good going over Thursday when I am back in the office. (1095, 1035, 1050, 1055, 1060, 1065).

I have enclosed a strip of your well for the footage received today as well as a strip log on the SE Missouri State well from 600 feet to 1250 feet.

Mr. Groves also stated that this well was tight and little to no/ porosity.

You had some slight spotted fluorescence in the 1070 foot sample (5%) with a very slight and slow "cut" w/carbon tetrachloride and a slight fluorescence in the 1080 foot sample (less than 5%) with no "cut".

Mr. Frank G. Felden

2

July 17, 1962

I hope this hurried letter will give you some of the information you wanted and I will write again Thursday.

Sincerely yours,

Jack Wells
Geologist

JW:nf

Dear Mr Wells
Sending Samples to 1080'. Please check, I understand
Mr. Clark is bringing Samples of College Well to
you today. the driller said they had good Gas
& Oil show in lower Dutchtown. Will you
check the Dutchtown in this well and send
me a complete report on showing, and check
to see if they had any Parosites. I am anxious
to see where they topped Dutchtown & get
could you make a Columnar section making
any zones that may have oil or Gas or
Parosites. I thank you in advance for
your cooperation
J. H. Felder
Box 202. Scott City, Mo

July 13, 1962

Our file: Cape Girardeau County
3-31-14
(Temp. Oil & Gas)

Mr. Frank G. Felden
General Delivery
Scott City, Missouri

Dear Mr. Felden:

Your card and the samples from your No. 1 Walker - 930 to 1040 feet - were received this morning and have been examined. I herein submit the following information along with a partial strip log for the 930 to 1040 foot interval.

As you can see, the sand that was expected from 925 to 950 feet was not present. The sand from 995 to 1000 feet may correspond to a sandy interval in the Trail of Tears well at 1220 to 1230 feet.

The 1030 and 1035 foot samples looked suspiciously like Dutchtown, however the 1040 foot sample was too much like Joachim for me to shorten the Joachim section and draw a contact at this time. I will wait for a few more samples and leave the estimate of the top of the Dutchtown at 1050 feet.

The 1035 foot sample was checked, as well as the rest of the samples under our U. V. light with no fluorescence noted.

Thank you for the excellent set of samples.

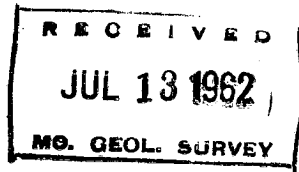
Sincerely yours,

Jack Wells

JW:nw
cc: Mrs. McCracken

Standing samples to 1040' Please
check on mail results to

Frank B. Selden
General Delivery



Scott City
Missouri

(check sample 1030' to 1035' for oil
stain

July 3, 1962

Mr. Frank G. Felden
205 West Davidson
Chaffee, Missouri

Dear Mr. Felden:

Your card and rock samples from 865 to 930 feet were received this morning and examined.

As you can see from the enclosed strip log you have not picked up the sandy portion of the Joachim, with the exception of a possible trace of fine silt in the 930 foot sample. You will probably encounter the first of the sand somewhere between 940 and 950 feet.

I am enclosing a "Gobbase" copy of one log which will give you the information you want as to regard to recent fluorescence. I would, however, be cautious in using this information as our "U.V." light is old and is not to be relied upon in giving a true indication of the amount of oil present.

We have not had any specific requests for information regarding your well. I have given location, elevation and approximate depth at which you are drilling at the time to one or two people. Of course, I have not given any logs, or other information as to presence or absence of shows. I did give your name and address to a scout for, I believe Texaco, or possibly Humble Oil the other day since he was asking about drilling activity in general.

I hope that this gives you the information you want, however if I have left anything unsaid, please feel free to write or call me.

Sincerely yours,

Jack Wells
Geologist

cc Mrs. McCracken

Dear Mr. Wells.

Sending Sample to 930' Please make up
Columnar Section so I can see where
I picked up 1st Sand in Joachim
look like the sand is coming in
High, also please give me the
approximate percentage of Cuttings
that the presence lights showed, oil
staining at each interval in Stone
River, I believe at 755' the fracture
zone can be made into a well. What
you suggest. Have you had given further
interest in this well (Selden)

June 27, 1962

Mr. Frank G. Felden
205 West Davidson Avenue
Chaffee, Missouri

Dear Mr. Felden:

The samples I brought back confirmed the fact that you were drilling in the Joachim formation. Jack Wells has put the top of the Joachim at 630 feet. This is what we had thought, when I was in Cape Girardeau. The water has not been completely analyzed, but the analysis will be sent to you when it has been finished. This will be at least two weeks.

Jack Wells is logging your well and will keep you informed as to depths and formations. As I told you, I shall not be working during July and August, but will be interested in the progress of the well and will check with Jack and Kenneth Anderson from time to time.

We had a nice trip back from Cape Girardeau and ran out of the rain, before reaching Fredericktown. We enjoyed visiting with you and seeing the well site.

Very truly yours,

Mary H. McCracken
Geologist

MEMcCsh

*Ans file:
Cape Girardeau
Ril - Sas*

June 21, 1962

Mr. Frank G. Felden
205 West Davidson Avenue
Chaffee, Missouri

Dear Mr. Felden:

Your card dated June 20, come this morning. The samples have not arrived, but will probably come tomorrow. I will wait until Monday to come to Cape Girardeau and will bring a copy of your log to depth of last sample with me. Will try to get an early start to arrive at the well about 10:00 a.m.

Best wishes - thanks for the telephone number, will call if necessary.

Very truly yours,

Mary H. McCracken
Geologist

MHMcSh

Dear Mrs McCracken.

I am shipping smplaes today, and would like to have log finished from 635' to this last sack of samples, so i may attach to previous copy, will you show on log where Oil shows appeared, i am setting a new string of 4½" pipe from surface to 855' to shut water off, so i may see what i have below, will start drilling lower sections about friday, i am expecting some fractured zones in the next 50' and then go into the sand sections of Joachim, bailed one hour from 855' yesterdy and had considerable gas and oil show, which increased as i bailed, my telephone number here at Chaffee is Tulip-7-4132, will be looking forward to your visit at the well site.

Sincerely Yours. *Frank G. Felden*

Q + S.
Cape Girardeau

May 9, 1962

Mr. Frank Felden
205 West Davidson Avenue
Chaffee, Missouri

Dear Mr. Felden:

Your card and the samples of your #1 Walker well in sec. 3, T. 31 N. R. 14 E., Cape Girardeau County, were received this morning. We have processed the samples and Mr. Wells and I have examined the cuttings. We agree with your Tops-

Top Kimmswick	78 feet
Top Decorah	215 feet
Top Plattin	235 feet

drilling in Plattin limestone at 270 feet.

You missed the Decorah as in that area it becomes calcareous and does not show up as the good shale you are used to seeing. Residues show about 30 to 40 percent of shale in this interval.

It appears that your section of Kimmswick may be slightly shorter than the Trail of Tears well. Comparing this with the nearby logs (which you have copies of I believe) it would appear that you would drill into the Stones River or Rock Levee formation at 650 feet +/- . If your section continues to shorten the Stones River may come in as high as 600 feet. The limestone just above that break is oolitic usually and you can be watching for it.

Thanks for saving such a good set of samples and send us additional samples as the well is drilled.

Very truly yours,

Mary McCracken
Research Geologist

MMcCcs

Our files:
Cape Girardeau
Pil + Mass

June 15, 1962

Mr. Frank G. Felden
205 West Davidson Avenue
Chaffee, Missouri

Dear Mr. Felden:

Your card and samples from your #1 Walker well were received to day to a depth of 760 ft. It appears you are still drilling in the Rock Levee (Stones River formation and have not gotten any porous zones as yet.

Your section has shortened over the Trail of Tears Park well at the rate of about 8' in every 100 feet. At this rate (if it continues and it would appear that it should) you can expect top of Joachim at about 815 to 820 feet. It would seem that you have little chance for porosity until this formation is drilled. Also there is a chance for sandstone porosity in the Joachim at the horizon drilled between 1200' and 1275' in the Trail of Tears Park well. This zone you should top at about 925 feet. This is the zone of the "Pecan Grove" sandstone of H. S. McQueen. This is a sand zone in the Joachim at the surface at the Pecan Grove school house a few miles southwest of Cape Girardeau on Hiway 74. This zone might give you some porosity if developed in your well.

The samples you have sent show staining. The best fluorescence was at 755 feet.

I have not been able to see Dr. Beveridge about getting someone to visit your well. If I can arrange to do so, will try to get down that way with my son sometime in the near future. Would like to see the top of the sand zone of the Joachim drilled. Also will try to have the water picked up.

Mr. Frank G. Felden

- 2 -

June 15, 1962

If the well continues as it has been drilling you should top Dutchtown about 1000 ft. and The St. Peter about 1140 feet.

Could you let us know how to reach you by phone if someone can get to your well?

Thanks for the excellent samples.

Very truly yours,

Mary H. McCracken
Research Geologist

MHMcCsh

Please check samples marked
for oil show, I can not find
any porosity. Still the
cuttings are stained, get
lots of odor, and Rainbows
still drill hard, some
has odor. We had water
at 636' S.W. L. 38'
have had several seams
showing oil, the sample
from 755' to 760' shows
stain on rock, but
deem to dense to try
for test, going deeper.
2-bbl of water from
636' is waiting to be
picked up any time. Want
like to have water
tested. How about some one
coming out and spend a
day with me. Jelden

*Cape Girardeau
Pet. Sec.*

June 7, 1962

Mr. Frank G. Felden
205 West Davidson
Chaffee, Missouri

Dear Mr. Felden:

The cuttings from your #1 Walker well to 670' were received this morning. Also, the outcrop sample from Highway 74, Cape Girardeau County.

We tested the hand sample as follows: When struck with hammer it emits odor of petroleum. Under ultra violet light it fluoresces to a golden color in spots. Crushed and treated with ether it shows a residue of oil which fluoresces golden. These are the usual tests for petroliferous residue in rock samples. The rock shows little or no porosity and I do not believe it would give up its oil even under favorable conditions of cover and structure.

Cuttings from your well show an oil show at 638'. It is my opinion that you are correct in thinking you have a show of live oil. The porosity is so poor that you will not be able to produce, unless you drill to a porous zone. The rock continues to be a dense sub-lithographic limestone and you must have obtained the oil from a fissure or crevice - you are drilling in the Rock Levee (Stones River) formation.

Our estimates continue to hold good on this well. You may pick up some porosity in the Joachim - Dutchtown section. Watch it carefully.

Please save a sample of the water you encountered. I could not understand, if the water rose 38' to 600' depth or rose 600' to a depth of 38'. Think it is likely that it rose 38' to a depth of 600'. Next time you send cuttings let us know.

Mr. Frank G. Felden

- 2 -

June 7, 1962

We will continue to look forward to receiving cuttings on this hole and will try to help you in correlating formations. The cuttings are excellent and it will be a valuable yardstick for that area.

Best wishes.

Very truly yours,

Mary H. McCracken
Geologist

MHMcCsh

Sending you more samples, Hit a Horizontal
Crvice about 2 inches Wide at 636' Water Come
up 600' quite a lot of Black Flakes of Dead
Oil, But there was enough live oil to Rainbow
on Slush Pit, the lime above + Below was
very Dense, no Oil could be in it evidently
the bail was in the Crvice. Still get Rain
Bows of oil on Slush Pit, also large Black-
Brown spots break to surface of Cutting
in Pit. See if that Veriffy Oil in
Samples 635' to 638', I think I am
Right in assuming it is live Oil. No Gas
yet.

Thanks

J. L. H.

June 4, 1962

Mr. Frank G. Felden
205 West Davidson
Chaffee, Missouri

Dear Mr. Felden:

I received your card and samples to 635 feet today. Also returned to work and found your two cards, which had arrived the week I was on vacation. It is encouraging that you have no water. Do wish there would be some porosity as these tight limestones will not produce either water or oil.

Your samples show the top of the oolite at the base of the Platten at 595 feet. This shows a slight thinning of section, as you had thought. We feel that at 535 feet you are at the top of the Stones River (Rock Levee) formation. As you can see by comparing your log with the Park well, the Joachim should be drilled at about 825' to 835' and the Dutchtown, somewhere between 1025' and 1050'. The section seems to be slightly thinning which of course is good. There is a possibility of some porosity in the Joachim and even in the Rock Levee (Stones River). I am sure you will be watching this pretty carefully these next few hundred feet.

Best wishes.

Very truly yours,

Mary H. McCracken
Geologist

MEMcCsh

Dear Mrs McCracken
sending samples to 635'
it appears we had small
amount of Conglomerate
and Dolites. No Water.
Think we topped Stoner
River at 605 or 610'
Please check how you
find the sections are
Running seems as
they are shortening
in all formations
No oil shows yet to
Dense, no Water since
at top of Kimmswick
in clay & shells where
Water was seldom

June 1, 1962

Our file: Walker No. 1
Cape Girardeau
Oil & Gas

Mr. Frank G. Felden
205 West Davidson
Chaffee, Missouri

Dear Mr. Felden:

Samples from your Walker No. 1 well, have been received and examined. In the absence of Mrs. McCracken, who is on vacation this week, I am taking the liberty of answering your card of May 29th.

At this time I can find no reason to change any of the estimates given you earlier by Mrs. McCracken. It is my opinion that the oolite zone at the base of the Plattin can be expected between 600 - 640'. The rocks should change to a gray color in this zone. It is possible that the Plattin formation may be thinning slightly. However, we won't know for sure until we drill the oolite zone.

Mrs. McCracken will be in the office the week of June 4th. Thank you for your cooperation.

Sincerely yours,

Jack S. Wells
Geologist

JSWh

cc: Mrs. McCracken

*Our file: Cape
Davidson
Del. & Sas*

May 23, 1962

Mr. Frank Felden
205 W. Davidson Avenue
Chaffee, Missouri

Dear Mr. Felden:

Samples from your # 1 Walker Well were received this morning. Mr. Wells and I have examined them and agree that they are drilling in the Plattin formation. The well seems to be drilling a section quite similiar to the Trail of Tears Park Well and the section from 455' to 470' is similiar to the section from 650 to 665 in the Trail of Tears Park Well. Our original estimate of 600 to 650 for the top of the Stones River and the oolite zone at the base of the Plattin still look good.

Thanks for sending such a nice set of cuttings.

We expect to see Mr. Anderson to-morrow and get a report on his visit to your well. Are you making any water in the hole?

Very truly yours,

Mary H. McCracken

MHM:jb

May 17, 1962

Our file: Cape Girardeau
Oil & Gas

Mr. Frank G. Felden
205 West Davidson
Chaffee, Missouri

Dear Mr. Felden:

Enclosed is a copy of your No. 1 Walker currently drilling in Cape Girardeau County.

I was down near your part of the country Tuesday of this week and had carried along this copy, planning to stop by the rig and see you. However due to other problems I was unable to make it.

If it is possible, I would like to get your telephone number so that we could contact you in case one of us here could come down on short notice, or if you wanted information on samples as soon as we had examined them.

I have been examining the samples of your well along with Mrs. Mc Cracken, and would like to comment on the excellent quality of the samples. Needless to say, this is a very interesting well and it is a pleasure to have the opportunity to examine these cuttings.

I regret that I was not able to come by the rig, however, either I or one of the staff will be down to see you in the very near future.

We appreciate your fine cooperation on this well and if we can be of any further help, or answer any questions, please feel free to call ~~at~~ any time.

Sincerely yours,

Jack Wells
Geologist

JW:nf

*Copied from original
McGraw-Hill
Jen.*

May 16, 1962

Mr. Frank Felden
205 West Davidson Avenue
Chaffee, Missouri

Dear Mr. Felden:

Samples from your Walker #1 well in sec. 3, T. 31N., R. 14E., have been received and examined. I am sending you a copy of our graphic log and have placed on it our estimate as to the top of the Stones River formation. You are, as you know, still drilling in the Plattin formation.

I have checked the water production on the Trail of Tears State Park well and find that the following information is available:

Water is noted in Kimmswick formation @ 355' at 520' in the Plattin formation 2 g. p. m. at 640' in the Plattin formation 4 g. p. m. In the oolite zone at base of Plattin formation at 840', 8 gallons per minute with S. W. L. of 80 feet. Water? at 1145 feet in Joachim formation. Water at 1430 feet raised S. W. L. to 40 feet - produced 30 g. p. m. with 180' d. d. in St. Peter formation.

Apparently the oolite zone and an associated dolomite break, was porous in this well. We have no water analysis on this well but will try to get a water sample next week. We will try to get a man to come to your well to leave jugs for water samples at the same time.

We wonder what you prefer as to giving out any information on your well. It is our policy to keep information on oil and mineral tests confidential (for survey use only) if the owner desires it held in this way. Your well is now being kept confidential but we would like to be able to release information on it to interested people if you are agreeable.

Mr. Frank Felden

2

May 16, 1962

I cannot tell if this Plattin is thinning a great deal. So far it has drilled the dense lime section with a trace of chert in the residue which is quite similar to the Trail of Tears State Park well. The white calcite bed which you drilled is not present in the Trail of Tears well but we often encounter such beds or veins in Perry and Cape Girardeau counties. Our best judgement is that the oolite will be drilled somewhere from 600 to 625 feet and may be porous.

The Stones River (Rock Levee) formation does not appear to have any distinctive beds within it. It may be porous in the dolomitic beds, however. The Joachim may be porous. We have no good information on it in that area. It is not a very good aquifer, however. ✓

Hope this will be of help to you. The samples you have sent are very good and we are so happy to get them. If we can help again do not fail to call on us and we will look forward to receiving more cuttings.

Very truly yours,

Mary McCracken
Research Geologist

MMcCcs

*Oil & Gas
Cape Girardeau Co.*

Missouri Newspaper
PRESS CLIPPING
MISSOURI PRESS SERVICE
115 Walter Williams Hall
Columbia, Missouri

Southeast Missourian
Cape Girardeau, Missouri

Date **APR 18 1962**

To Test for Oil In Cape County

A California contractor has acquired oil leases on a block of land in the Nell Holcomb School district and expects to begin drilling on a test well early next week.

Holding the leases is Frank G. Felden of Cardiff, Calif., who originally was from the Chaffee area.

He said he is making the effort to locate oil here because the area is structurally favorable, information of the State Geological Survey indicates.

The first well will be drilled on the W. O. Walker farm just off the Upper Egypt Mills Road north of Cape Girardeau.

The drilling will be done by the Schneider-Griffin Drilling Co., of Cape Girardeau. Equipment will be moved onto the site late this week and drilling will begin Monday or Tuesday, Mr. Felden said.

Other lessors are Clarence H. Shirrell, Rudy Brinkman, A. F. Lueder, Paul Huber and Emil Exler whose farms with that of Mr. Walker form a contiguous block. Mr. Felden said he is in the process of acquiring other leases on nearby farms to enlarge the block.

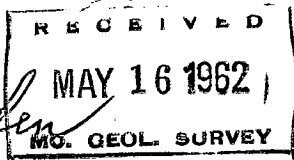
Dear Mrs McCracken ^{Tuesday P.M.}
Please send me more
Sample Bags. We are
Drilling at 530' today
Only Water we had
Was at 75 ft top
of Kimmewick
about 50 gal P.M.
Set 250' 7" O.D. pipe
shut water off. no
Water since. Got
good seal hope to
add water for Drilling
Sincerely yours
Frank H. Zeller

Sample bags
sent - R. Anderson

Dear Mrs McBracken

Please note samples from 330' to 370'. I
would like to know if you think the platin
is thinning or running normal. I note
some real white Calcite in the last
20 feet, seems like this should
be lower. What shows up after
the Brown lime, is Gray as you
will note

Thank you
Gelden



Mailed 100 ft of samples
Today. Please Mail me
a complete report on
samples. I believe I
noticed some Conglomerate
at 5.65' I do not mind
to release information
on the well to publications
such as Oil & Gas
Journal or others
I am planning on
a test of Dutchtown
or, if we find any
other Pay Zone above
Will Drill Dutchtown
later

Thanks
Zelden

Please report findings as soon as possible. Elevation at Well Curb is 400'. Can you give me some idea about the top of Stone River after looking at the samples, seems like we have missed the Decorah in this Well out of Kinniswick at 215 ft. Topped Kinniswick at 78 ft. Looks like you are running quite High on Structure

Sincerely yours
Frank H. Selden

April 23, 1962

Our file: sec. 14, T. 32N, R. 14E
Cape Girardeau County
Oil & Gas

Mr. Frank Felden
205 West Davidson Ave.
Chaffee, Missouri

Dear Mr. Felden:

In reply to your telephone call I am sending a copy of the log of the Trail of Tears State Park well located in sec. 14, T. 32N, R. 14E Cape Girardeau County Missouri. As you can see this drilled a shorter Plattin section than the estimate I sent you. The Plattin formation thickens very much from North to South in that area. It is possible you will drill a section of Plattin half way between the Trail of Tears and the Cape Girardeau College well so that it will be shorter than the estimate sent you and somewhat longer than the Trail of Tears well.

Remember me to Lyle McManamey and best wishes in your project. We will be happy to receive the cuttings as you drill.

Very truly yours,

Mary McCracken
Research Geologist

MM:jb

April 17, 1962

Our file: *Cape Girardeau*
Scott County

~~sec. 3, T. 31 N, R. 14 E.~~

Oil & Gas

Mr. Frank Felden
205 West Davidson Avenue
Chaffee, Missouri

Dear Mr. Felden:

I have had a copy of the School well in sec. 3, T. 31 N., R. 14 E., made up for you. As you can see we have only 200 feet of samples from this hole. However it cuts the Maquoketa-Kimmswick contact and by using several nearby wells including the one at the Teachers College at Cape Girardeau, the Midwest Dairy well and the Marquette Cement Company wells, we have been able to make an estimate as to where you may get lower formational tops.

The location you suggest is in an area of rather sharp difference in surface elevation. Depending as to whether you drill in the creek bottom or on the hill tops you will have to add or subtract your difference in elevation from the figure given for the school well (426 feet).

As you will notice the Platin, Rock Levee, Joachim and Dutchtown formations are all very thick in this area. We feel that if the section drilled is not faulted or otherwise abnormal that the St. Peter sandstone will be encountered at about 1380 feet. Of course these are estimates and may be subject to change as drilling progresses.

We will be most anxious to receive samples from your well and will try to give you information on drilling tops as it progresses.

With very best wishes,

Sincerely,

Mary H. McCracken
Research Geologist

MHMcCs

205 West Davidson Ave
Chaffee, Missouri

Frank G. Felden
GENERAL CONTRACTOR

April 15th, 1962

Mrs Mary McCracken.

Dear Mrs McCracken.

Will you please check on the water well samples from the Nell Holcomb School in Section 3, Twp 31 North, Range 14 East, Cape Girardeau, County Missouri, the well was drill about three years ago by the School district, drillers Shneider and Griffin, of Cape Girardeau, Missouri.

I beleive the well was drilled to a depth of about 350 feet, i would like to have tops of the formation that was penetrated, also your opinion as to the part of the lowest formation that was at bottom.

I am planning on starting a test hole somewhere in the west half of Section 3, twp 31 N, 14 E, which would be one half to three quarters of a mile west of the school well. Could you plot the approximate formation that i would expect to find at a depth of about 550 to 600 feet.

Would you please forward the information that i as asking, at your earliest possible date, as i hope to be able to start drilling in a week or ten days, and will get the samples started to you at once.

Sincerely Yours

Frank G. Felden

Frank G, Felden

100 ft difference
in elevation in
W 1/2 section